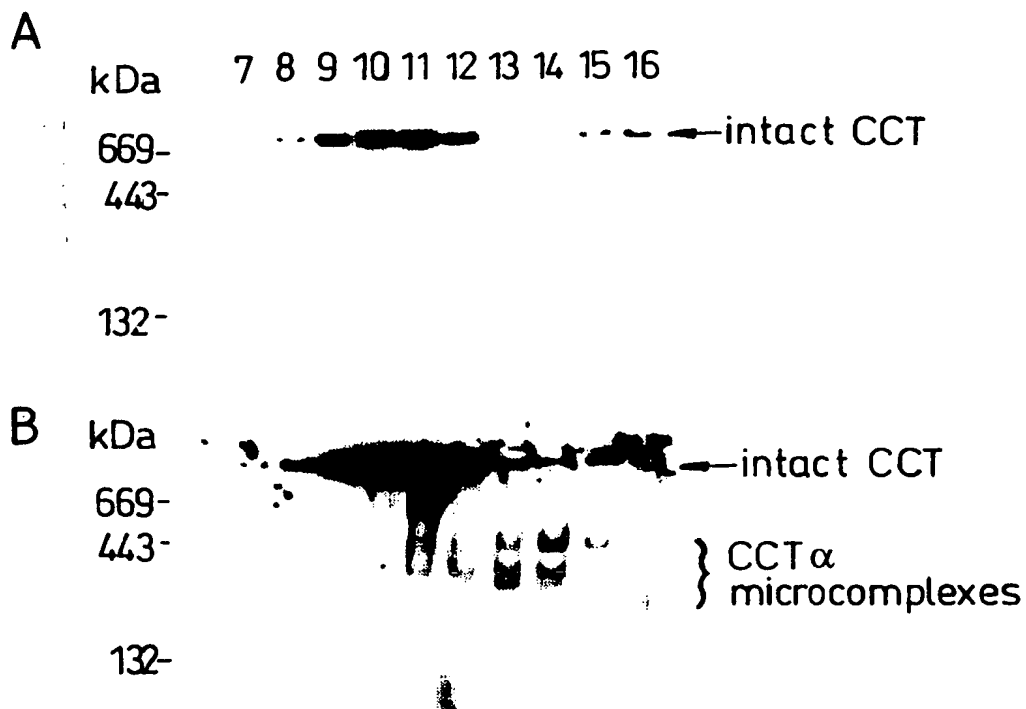


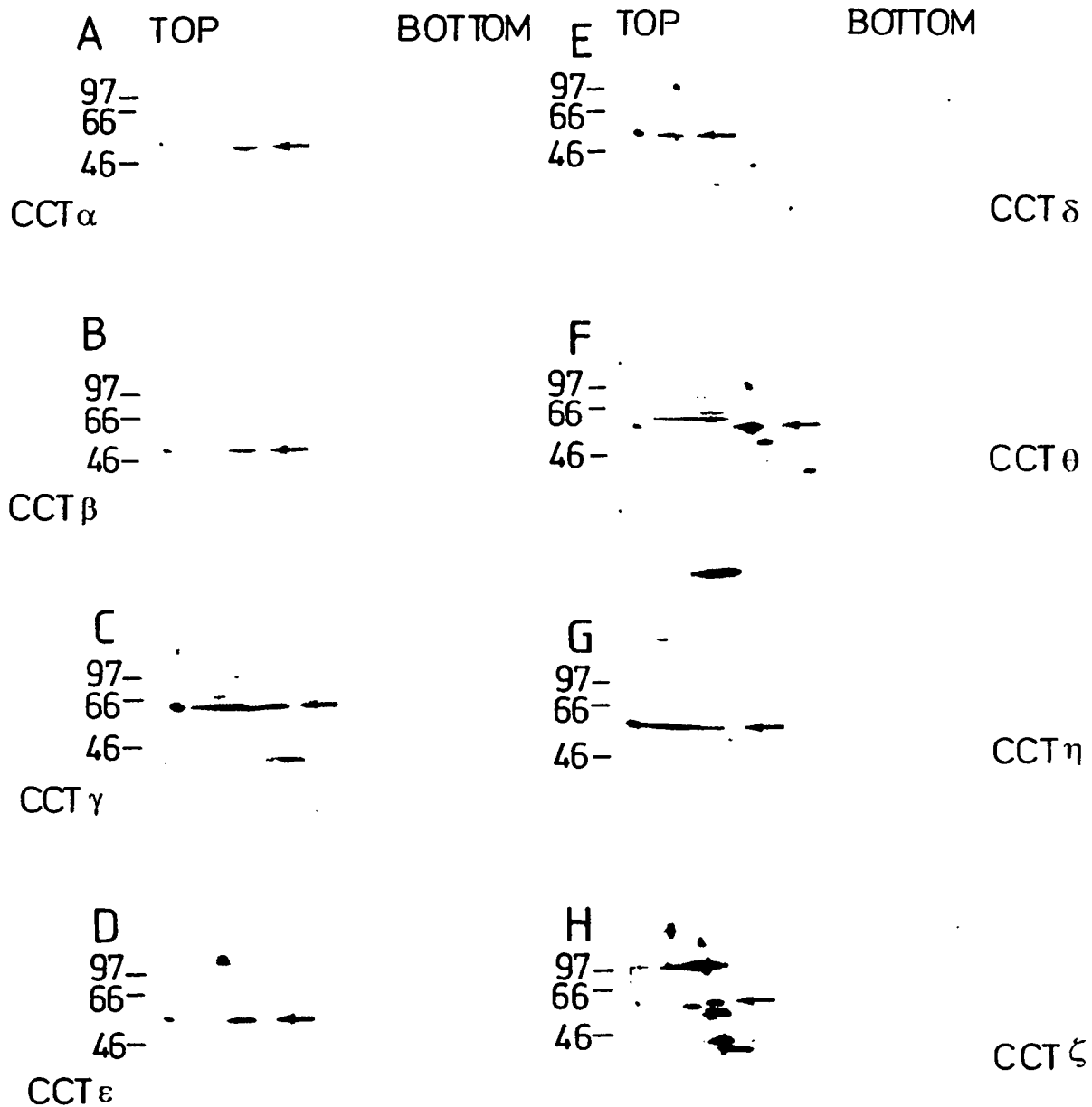
1/19

APPROVED	O.G. FIG.
BY	CLASS
DRAFTSMAN	SUBCLASS

*Fig. 1*

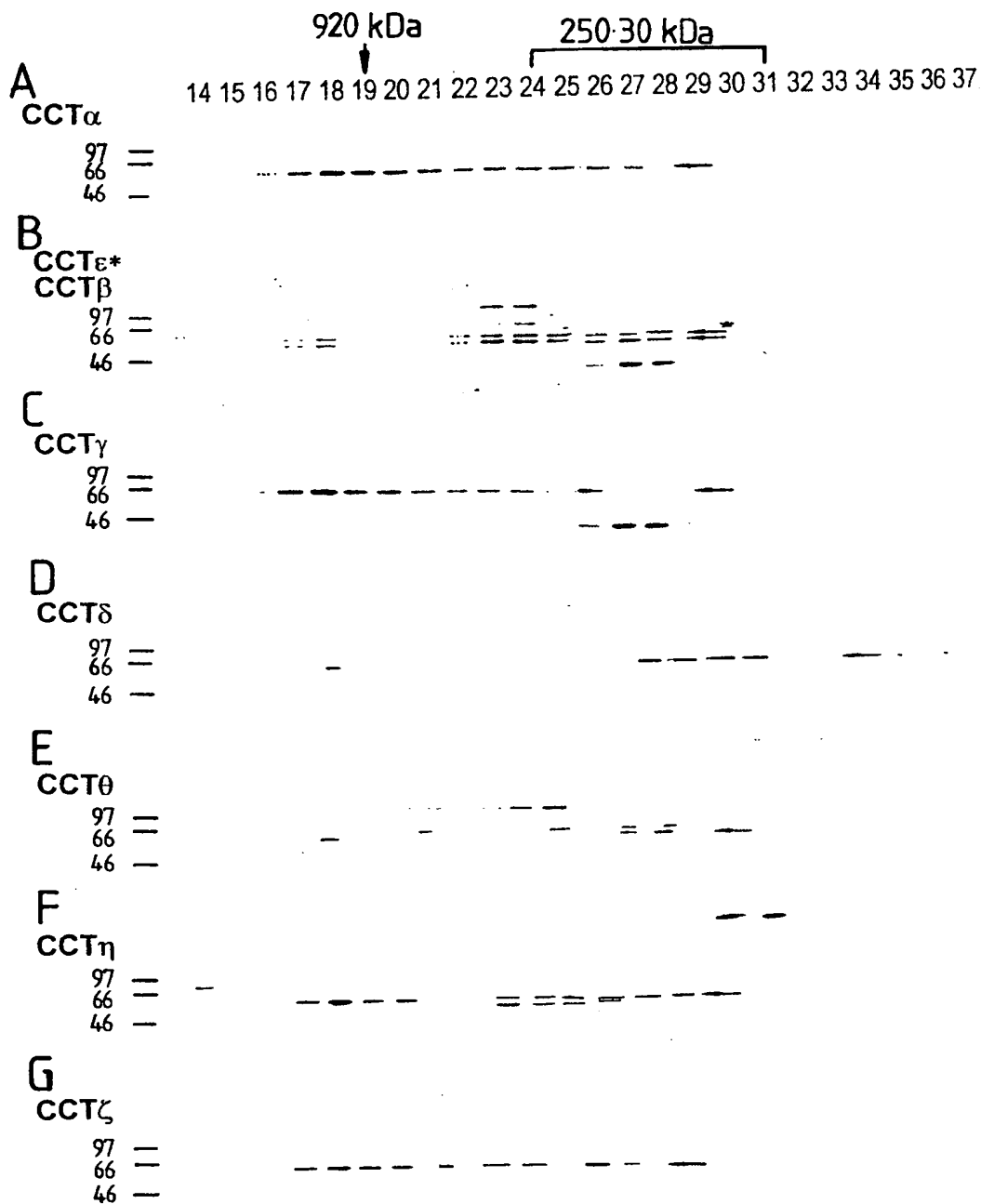
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O.G. FIG.	
APPROVED	CLASS SUBCLASS
BY	
DRAFTSMAN	

**Fig 2**

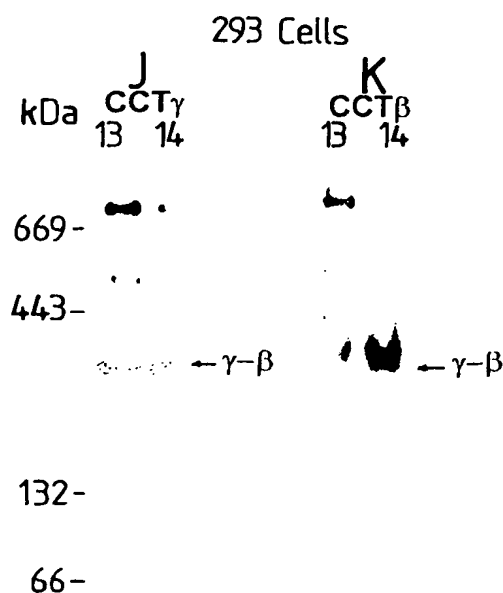
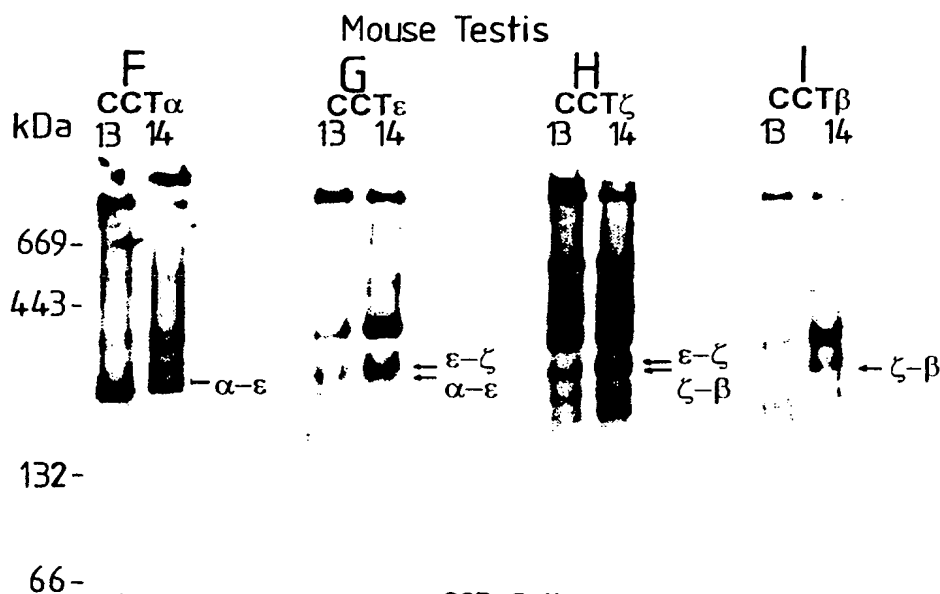
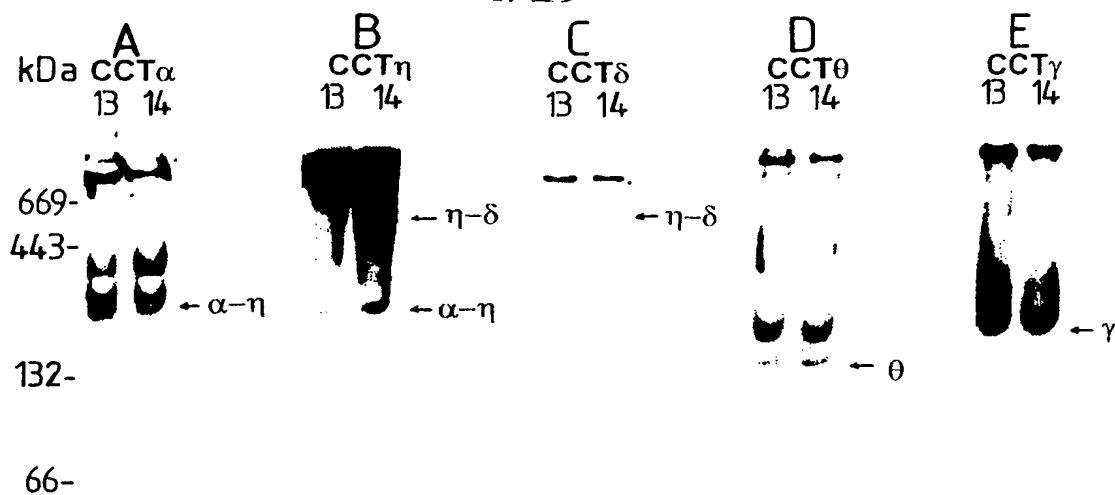
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APPROVED	O.G. FIG.	
	CLASS	SUBCLASS
BY	DRAFTSMAN	

*Fig. 3*

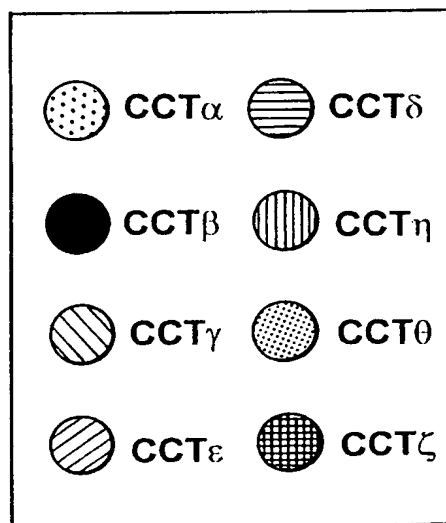
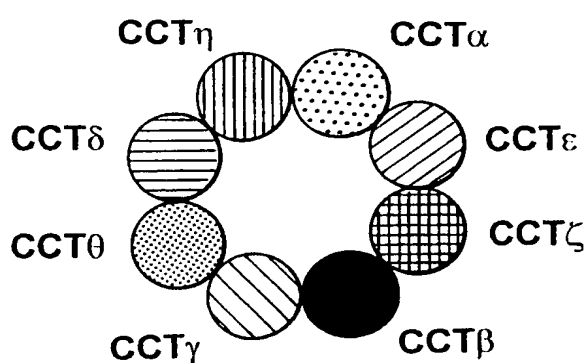
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APPROVED	O.G. FIG.	
	CLASS	SUBCLASS
BY	DRAFTSMAN	

**Fig 4**

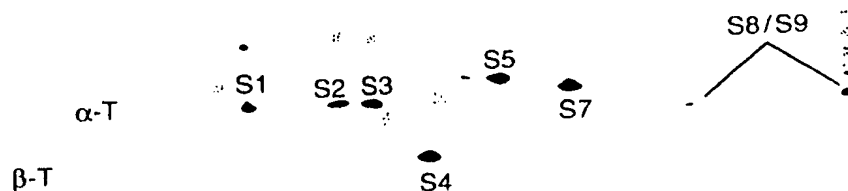
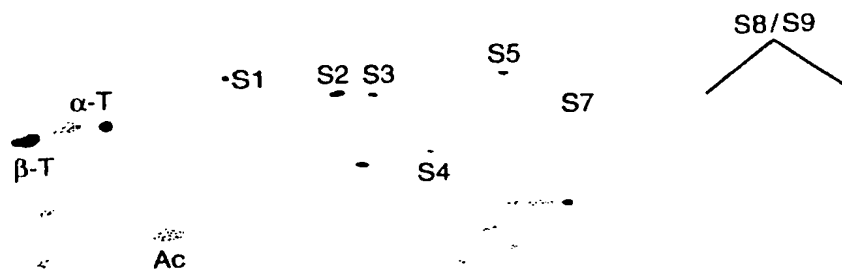
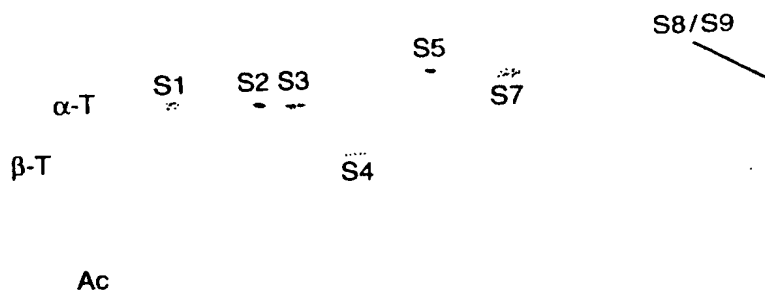
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APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

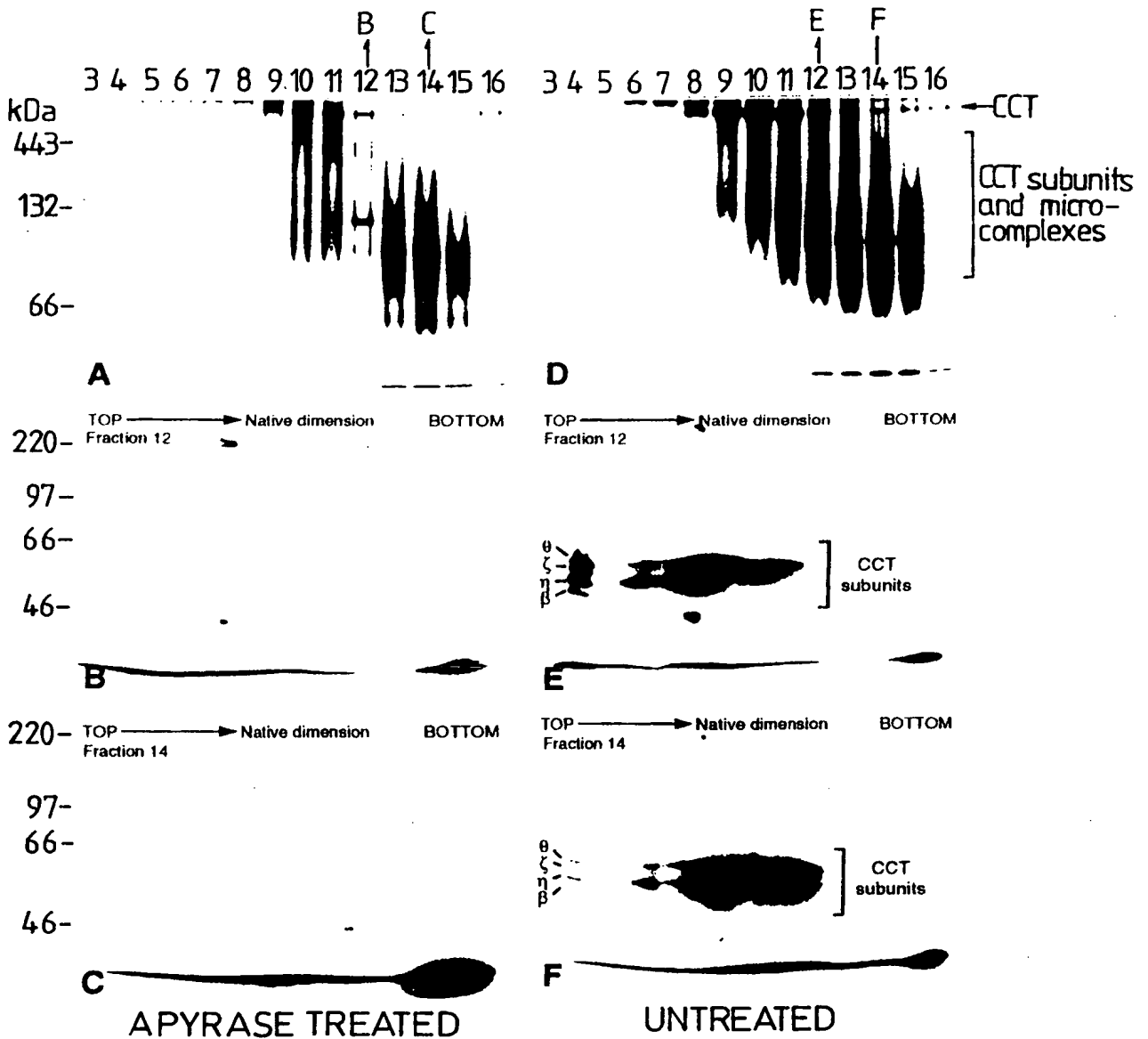
*Fig. 5*

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APPROVED	O.G. FIG.	
	BY	CLASS/SUBCLASS
DRAFTSMAN		

A**B****C****Fig 6**

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*Fig. 7*

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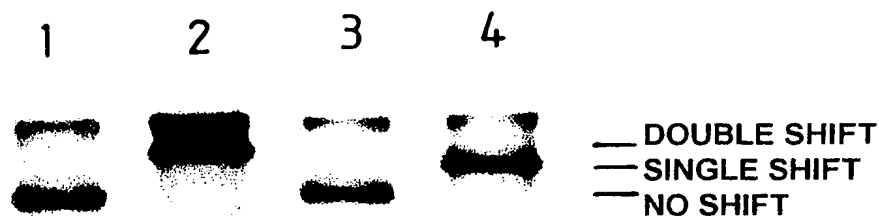
A

Rabbit CCT α
Mouse CCT α
Mutant

...AVHSGAL	D	D
...AVHSGAL	D	D
...AVHSGAL	N	D

555

B



Two Antibody Molecules
coupled onto CCT

One Antibody Molecule
coupled onto CCT

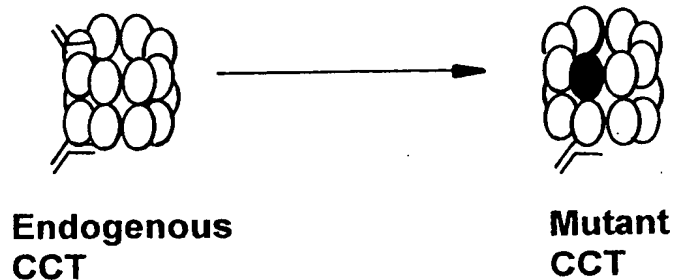
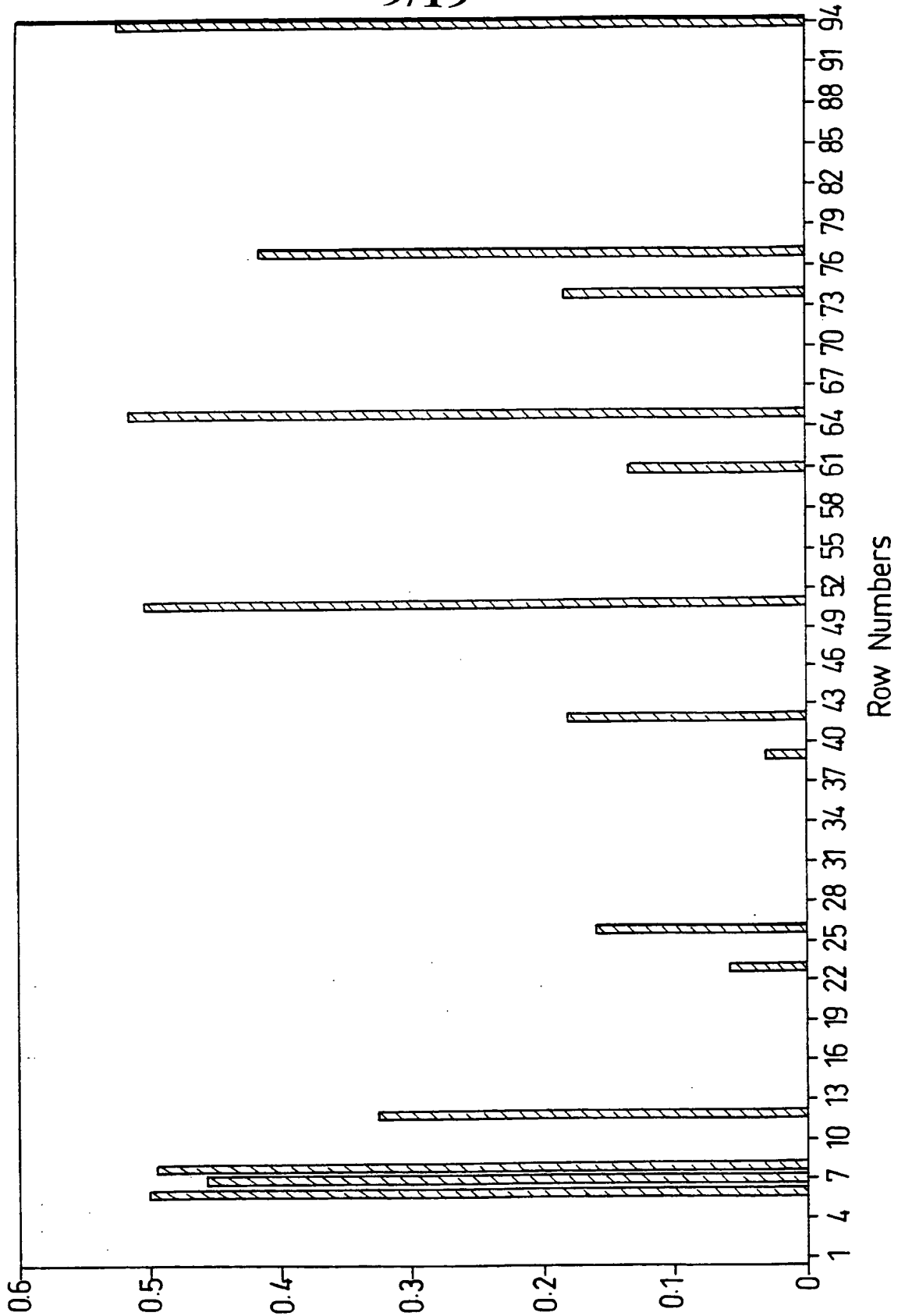


Fig 8

APPROVED	O.G.FIG.
BY	CLASS
DRAFTSMAN	SUBCLASS

data/actin PepSet

Fig. 9



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Fig 10**Peptide Sequences**

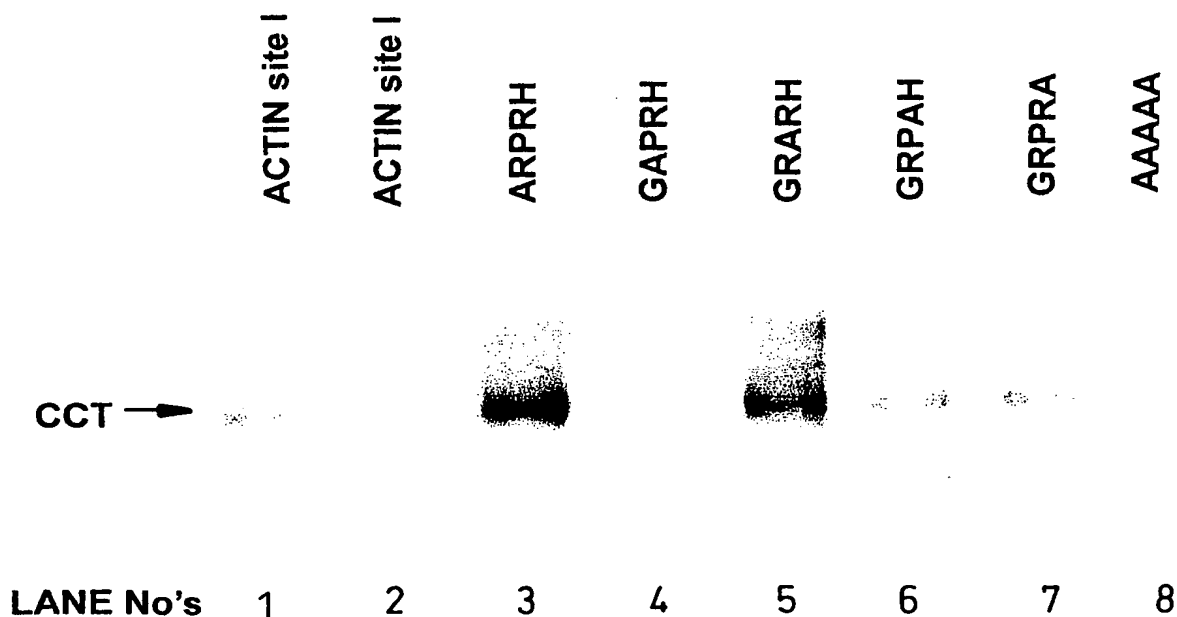
APPROVED	O.G. FIG.	
	CLASS	SUBCLASS
BY	DRAFTSMAN	

Reference Peptide No.	Peptide No. In Figure 11	Peptide Sequence
1	6	APRAVFPSIVGRPRH
2	7	FPSIVGRPRHQGVMV
3	8	GRPRHQGVMVGMGQK
4	61	GGTTMYPGIADRMQK
5	77	PRHQGVMVGMGQKDS
6	26	TFNTPAMYVAIQAVL
7	35	LPHAILRLDLAGRDL
8	70	LASLSTFQQMWISKQ
9	12	DEAQSKRGILTTLKYP
10	28	IQAVLSLYASGRITG
11	39	KILTERGYSFTTTAE
12	40	RGYSFTTTAEREIVR
13	47	ASSSSLEKSYELPDG
14	65	APSTMKIKIIAPPER
15	67	APPERKYSVWIGGSI

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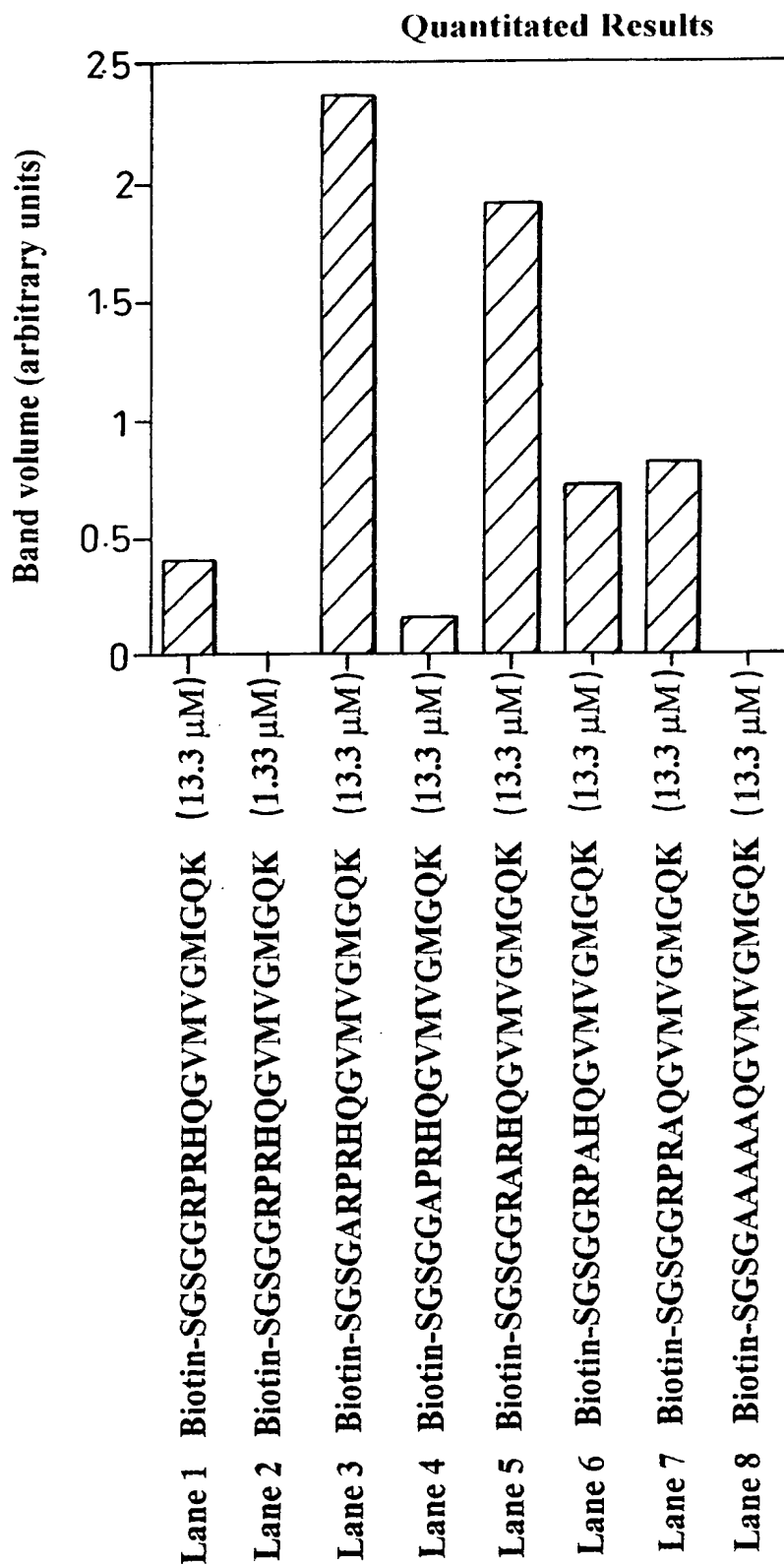
APPROVED BY	O.G. FIG.	
	CLASS	SUBCLASS
DRAFTSHAH		

Lane 1 Peptide 8 at 13.3 μ M	(Biotin-SGSGGRPRHQGVMMVGMGQK)
Lane 2 Peptide 8 at 1.33 μ M	(Biotin-SGSGGRPRHQGVMMVGMGQK)
Lane 3 Peptide 8.1 at 13.3 μ M	(Biotin-SGSGARPRHQGVMMVGMGQK)
Lane 4 Peptide 8.2 at 13.3 μ M	(Biotin-SGSGGAPRHQGVMMVGMGQK)
Lane 5 Peptide 8.3 at 13.3 μ M	(Biotin-SGSGGRARHQGVMMVGMGQK)
Lane 6 Peptide 8.4 at 13.3 μ M	(Biotin-SGSGGRPAHQGVMMVGMGQK)
Lane 7 Peptide 8.5 at 13.3 μ M	(Biotin-SGSGGRPRAQGVMMVGMGQK)
Lane 8 Peptide 8.6 at 13.3 μ M	(Biotin-SGSGAAAAAQGVMMVGMGQK)

Fig. 11a*Fig 11b*

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APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

*Fig. 11c*

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O.G. FIG.	
APPROVED	BY
DRAFTSMAN	
CLASS	SUBCLASS

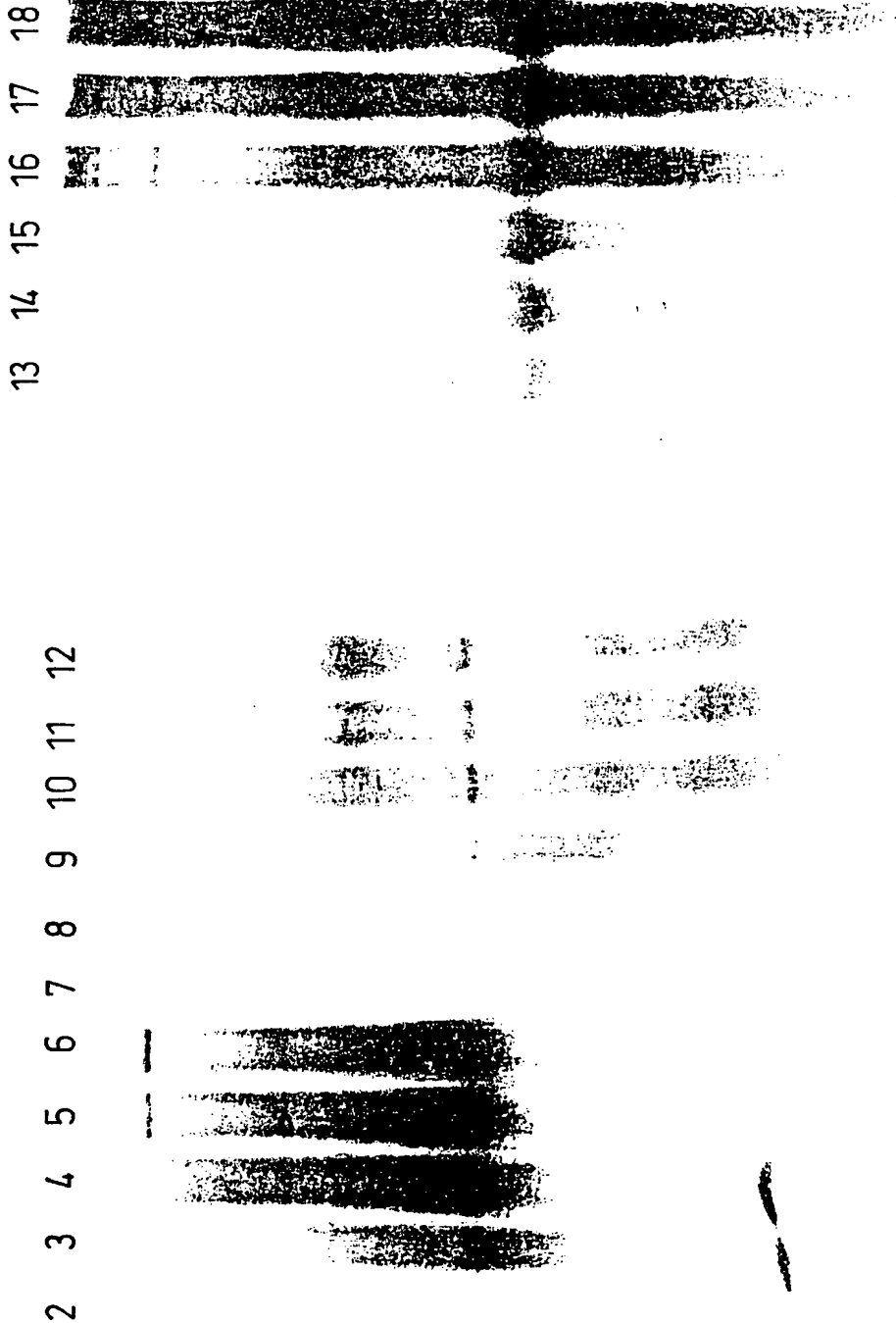
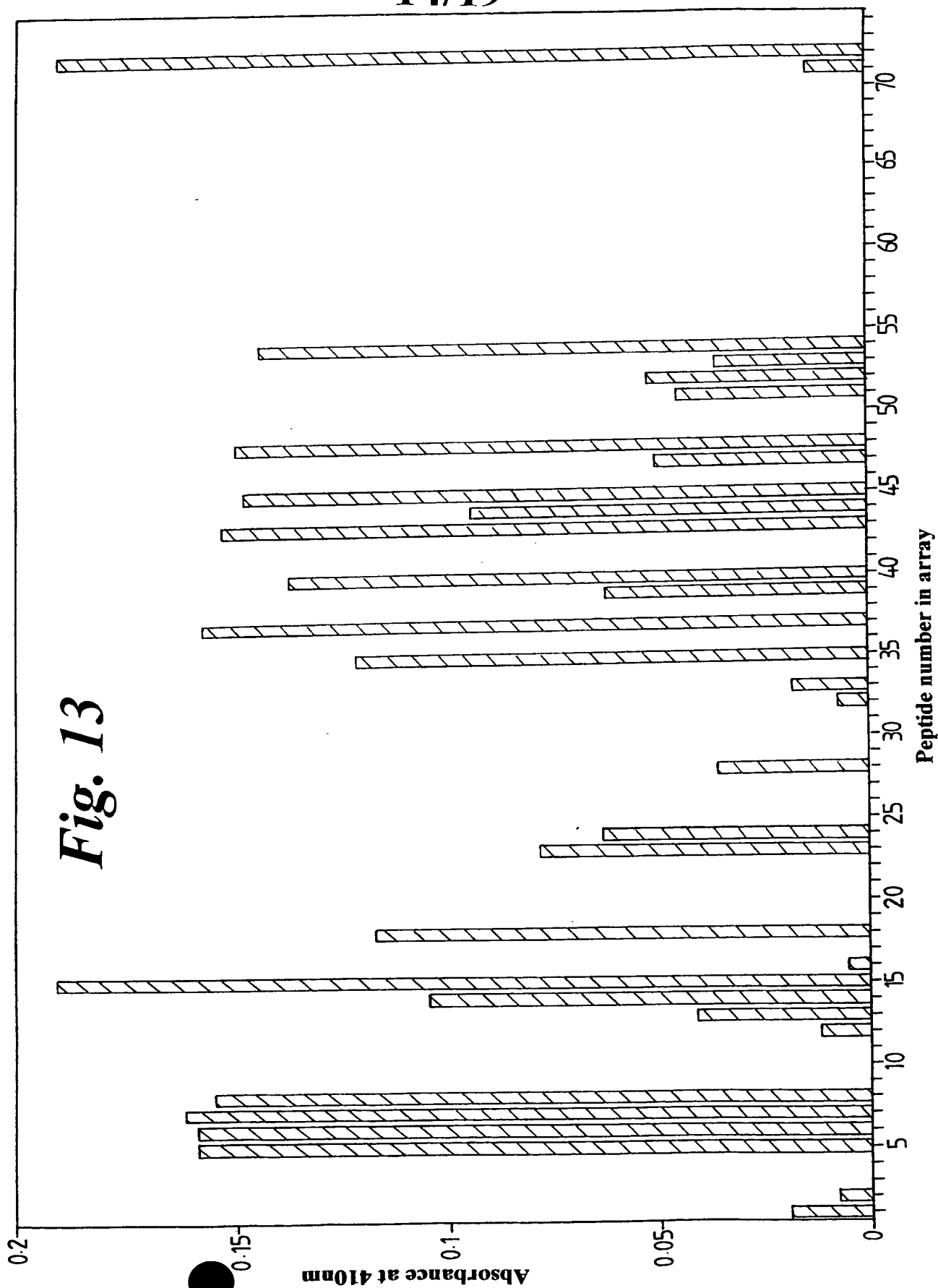


Fig. 12

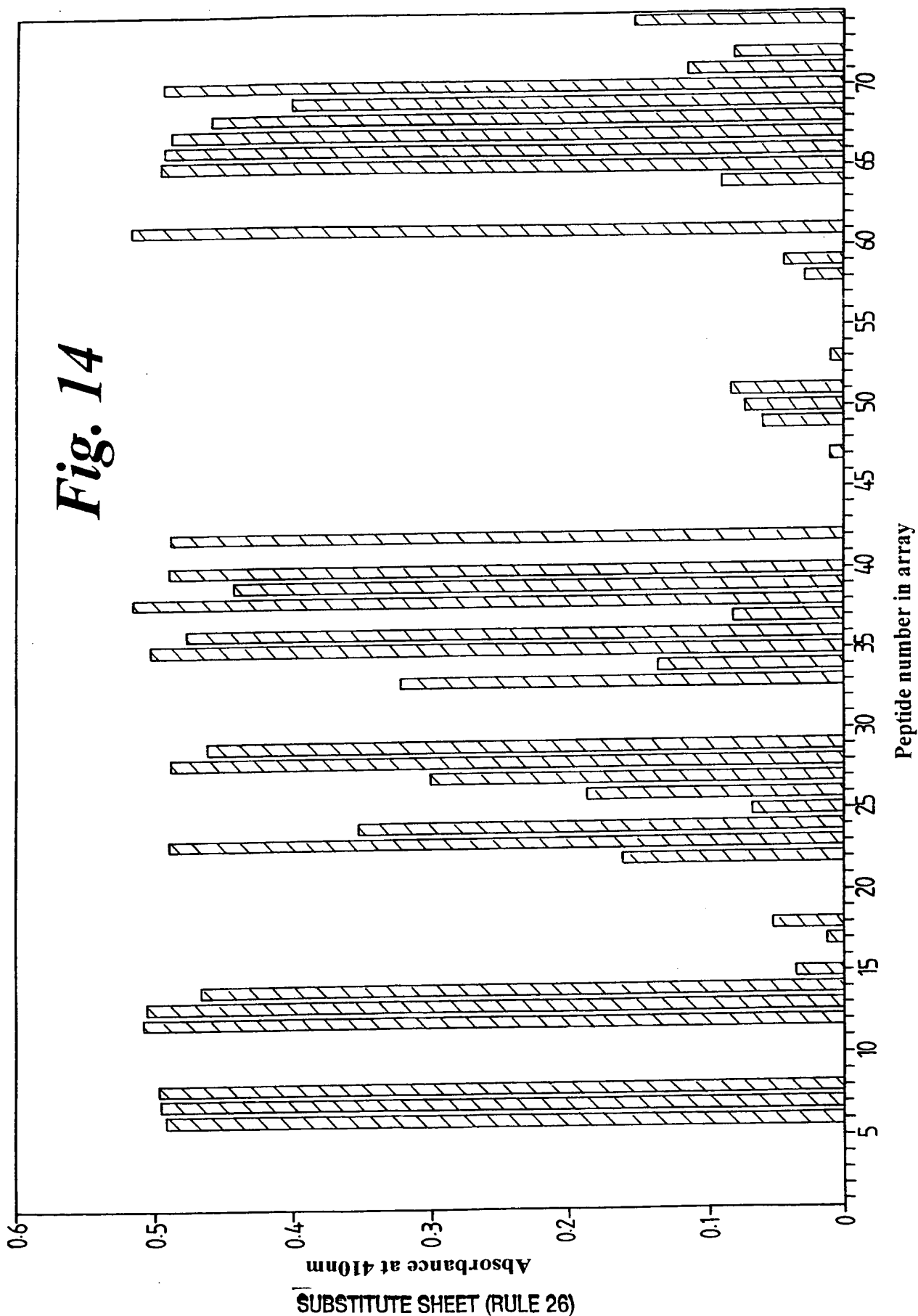
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APPROVED	O.G. FIG.	
DY	CLASS	SUBCLASS
DRAFTSHAH		



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Fig. 14



SUBSTITUTE SHEET (RULE 26)

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSHAH		

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TABLE 2

mouse beta actin - 15mer peptides with 5 residue overlap

1,	MDDDIAALVVDNGSG	= 1 - 15
2,	AALVVDNGSGMCKAG	= 6 - 20
3,	DNGSGMCKAGFAGDD	= 11 - 25
4,	MCKAGFAGDDAPRAV	= 16 - 30
5,	FAGDDAPRAVFPSIV	= 21 - 35
6,	APRAVFPSIVGRPRH	= 26 - 40
7,	FPSIVGRPRHQGVMV	= 31 - 45
8,	GRPRHQGVMVGMGQK	= 36 - 50
9,	QGVMVGMGQKDSYVG	= 41 - 55
10,	GMGQKDSYVGDEAQS	= 46 - 60
11,	DSYVGDEAQS KRGIL	= 51 - 65
12,	DEAQS KRGIL TLKYP	= 56 - 70
13,	KRGIL TLKYP IEHGI	= 61 - 75
14,	TLKYP IEHGI VTNWD	= 66 - 80
15,	IEHGI VTNWD DMEKI	= 71 - 85
16,	VTNWD DMEKI WHHTF	= 76 - 90
17,	DMEKI WHHTF YNELR	= 81 - 95
18,	WHHTF YNELR VAPEE	= 86 - 100
19,	YNELR VAPEE HPVLL	= 91 - 105
20,	VAPEE HPVLL TEAPL	= 96 - 110
21,	HPVLL TEAPL NPKAN	= 101 - 115
22,	TEAPL NPKAN REKMT	= 106 - 120
23,	NPKAN REKMT QIMFE	= 111 - 125
24,	REKMT QIMFE TFNTP	= 116 - 130
25,	QIMFE TFNTP AMYVA	= 121 - 135
26,	TFNTP AMYVA IQAVL	= 126 - 140
27,	AMYVA IQAVL SLYAS	= 131 - 145
28,	IQAVL SLYAS GRRTG	= 136 - 150
29,	SLYAS GRRTG IVMDS	= 141 - 155
30,	GRRTG IVMDS GDGVT	= 146 - 160
31,	IVMDS GDGVT HTVPI	= 151 - 165
32,	GDGVT HTVPI YEGYA	= 156 - 170
33,	HTVPI YEGYA ALPHA I	= 161 - 175
34,	YEGYA ALPHA IRLDL	= 166 - 180
35,	LPALHAILRLDL AGRDL	= 171 - 185
36,	LRDL AGRDL TDYLM	= 176 - 190
37,	AGRDL TDYLM KILTE	= 181 - 195
38,	TDYLM KILTE RGYSF	= 186 - 200
39,	KILTE RGYSF TTTAE	= 191 - 205
40,	RGYSF TTTAE REIVR	= 196 - 210
41,	TTTAE REIVR DIKEK	= 201 - 215
42,	REIVR DIKEK LCYVA	= 206 - 220
43,	DIKEK LCYVA LDPEQ	= 211 - 225
44,	LCYVA LDPEQ EMATA	= 216 - 230

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45, LDFEQEMATAASSSS = 221 - 235
 46, EMATAASSSSLEKSY = 226 - 240
 47, ASSSSLEKSYELPDG = 231 - 245
 48, LEKSYELPDGQVITI = 236 - 250
 49, ELPDGQVITIGNERF = 241 - 255
 50, QVITIGNERFRCPEA = 246 - 260
 51, GNERFRCPEALFQPS = 251 - 265
 52, RCPEALFQPSFLGME = 256 - 270
 53, LFQPSFLGMESCGIH = 261 - 275
 54, FLGMESCGIHETTFN = 266 - 280
 55, SCGIHETTFNSIMKC = 271 - 285
 56, ETTFNSIMKCDVDIR = 276 - 290
 57, SIMKCDVDIRKDLYA = 281 - 295
 58, DVDIRKDLYANTVLS = 286 - 300
 59, KDLYANTVLSGGTTM = 291 - 305
 60, NTVLSGGTTMYPGIA = 296 - 310
 61, GGTMYPGIADRMQK = 301 - 315
 62, YPGIADRMQKEITAL = 306 - 320
 63, DRMQKEITALAPSTM = 311 - 325
 64, EITALAPSTMKIKII = 316 - 330
 65, APSTMKIKIIAPPER = 321 - 335
 66, KIKIIAPPERKYSVW = 326 - 340
 67, APPERKYSVWIGGSI = 331 - 345
 68, KYSVWIGGSILASLS = 336 - 350
 69, IGGSSILASLSTFQQM = 341 - 355
 70, LASLSTFQQMWISKQ = 346 - 360
 71, TFQQMWISKQEYDES = 351 - 365
 72, WISKQEYDESGPSIV = 356 - 370
 73, EYDESGPSIVHRKCF = 361 - 375
 74, GGGGGGPSIVHRKCF = 366 - 375
 75, GGGGGGGGGHHRKCF = 371 - 375

Other peptides to include:

76, KYSVWIGGSILASLS

alpha helix in subdomain 1 of rabbit alpha actin-contains
two hydrophobic residues accessible to solvent
(residues S338 - S348)

77, PRHQVMVGMGQKDS

loop in subdomain 2 of rabbit alpha actin-major
interaction site with DNase I
(residues P38 - S52)

78, IVLDSGDGVTHNVPI

beta stands in subdomain 3 of rabbit alpha actin
(residues G150 - Y166)

79, LVCDNGSGLVKAGFA

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analagous beta strand motif in subdomain 1 of rabbit
alpha actin
(residues L8 - F21)

80, LFQPSFIGMESAGIH
loop in subdomain 4 of rabbit alpha actin-involved in
contact across helix axis in F-actin
(residues F262 - L274)

81, TTAEREIVRDIKEKL
Alpha helix in subdomain 4 of rabbit alpha actin-minor
interaction site with DNase I
(residues T203 - L216)

82, YVGDEAQSKRGILT
beta alpha beta unit in subdomain 2 of rabbit alpha
actin-minor interaction site with DNase I/
hexokinase-like unit
(residues K61 - L65)

83, VMSGGTTMYPGIADR
loop in subdomain 3 of rabbit alpha actin-forms pocket
for adenine base of nucleotide
(residues S300 - I309)

84, KIKIIAPPERKYSVW
beta strand and loop in subdomain 3 of rabbit alpha
actin-forms pocket for adenine base of nucleotide
(residues K328 - S338)

85, GFAGDDAPRAVFPSI
loop in subdomain 1 of rabbit alpha actin-central contact
region of myosin on 'flat' side of actin
(residues F21 - P32)

86, YNELRVAPEEHPTLL
loop in subdomain 1 of rabbit alpha actin-contact region
of myosin on 'flat' side of actin
(residues N92 - T103)

87, TFQQMWITKQEYDEA
alpha helices in subdomain 1 of rabbit alpha actin-bind
myosin chains
(residues S348 - A365)

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88, DEDETTALVCDNGSG

N-terminal 15 residues of rabbit alpha actin-important in
binding myosin
(residues D1 - G15)

89, EYDEAGPSIVHRKCF

C-terminal 15 residues of rabbit alpha actin
(residues E361 - F375)

90, SKQEYDESGPSIVHR

truncated C-terminus of mouse beta actin
(residues S358 - R372)

91, ILTERGYSFVTTAER

loop in subdomain 4 of rabbit alpha actin-analogous to
DNase I-binding loop in subdomain 2
(residues T194 - T203)

92, ALDFENEMATAASSS

alpha helix flanked by loops in subdomain 4 of rabbit
alpha actin
(residues F223 - A230)

93, WDDMEKIWHHTFYNE

alpha helix in subdomain 1 of rabbit alpha actin
(residues W79 - N92)

94, +ve control for 91a = STDLVAKLRAFHNEA